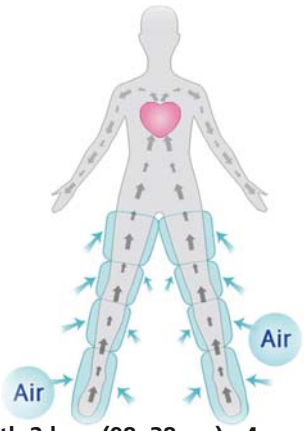
DOCTOR LIFE AIR COMPRESSION THERAPY SOLUTIONS

All human body is supplied by peripheral circulation of blood and lymph

Doctor Life system helps patients recovered from their disease by improving blood and lymph circulation and metabolism

Doctor Life system consists of air chambers and an air pump offering air compression massage to legs, arms or waist.



Medical indications

- DVT (Deep Vein Thrombosis)
- Lymph edema
- Post-paralytic
- Limb convulsion
- Venosclerosis
- Chronic venous insufficiency (CVI)
- Post-mastectomy
- Post-trauma
- Spinal cord injury
- Varicose veins
- Sciatica
- Sprains
- Diabetes
- Cellulite

Home care indications

- Lymph edema
- Diseases caused by interrupted blood circulation
- Fat dissolution
- Pregnant woman's limb treatment
- Benumbed feet or hands
- Cold feet or hands
- Settlement of stress
- Exercise effects
- Insomnia
- Healthier body and elastic skin

Drainage, Circulation & Massage

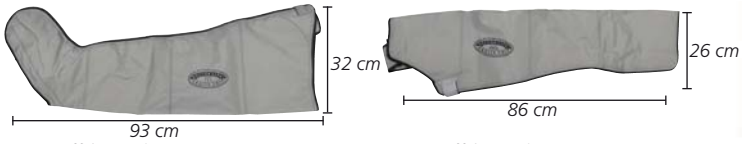
SEMIPROFESSIONAL MODEL (Home-Hospital)

• 28430 DL 2002 D BASIC with 2 legs (98x38 cm) - 4 chambers 1 single and 1 double hose and cable
This system can operate with 3 compression modes.

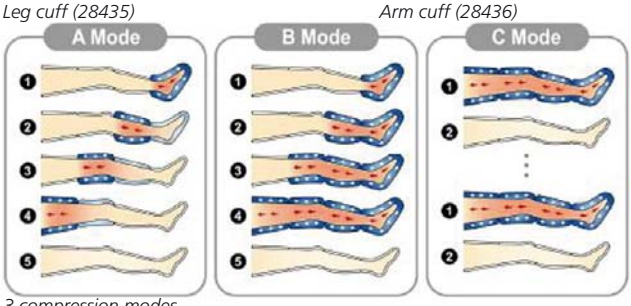
TECHNICAL SPECIFICATIONS

- pressure sensor
- digital timer (10, 20, 30, 40 min)
- digital pressure gauge (10~180 mmHg)
- one touch connection hose plug
- body size: 190x250x210 mm
- body weight: 3 kg

• 28435 LEG 93x32 cm
• 28434 LEG EXTENSION ZIPPER - 10 cm extra extension
• 28440 DOUBLE HOSE - to use two leg cuffs at the same time - spare
• 28436 ARM CUFF unique size - 86x29 cm
• 28437 WAIST CUFF 130x38 cm



Leg cuff (28435) *Arm cuff (28436)*



3 compression modes

Universal cable included is suitable for leg, arm and waist cuff

Waist cuff 130x38 cm (28437)

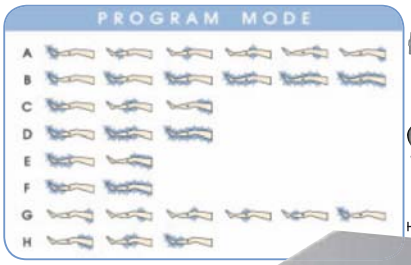
Possibility to use 2 leg cuffs in the same time with double hose (code 28440)

HIGH CLASS PROFESSIONAL MODEL

• 28450 DL850 PROFESSIONAL SYSTEM with 2 legs (102x35 cm), 1 arm - 6 chambers (87x25 cm), double hose and cable
This system can operate with 8 compression modes.
Every chamber can have a different pressure or can work only with 1 selected chamber. Graphic LCD display. Inflation and interval time control by two separate keys.

TECHNICAL SPECIFICATIONS

- Pressure sensor
- Use time: 0~90 minutes
- Hold time: 0~6 seconds
- Interval time: 0~19 seconds
- Body size: 370x390x190 mm
- Body weight: 13 kg



Standard arm (28454)

Standard leg (28453)

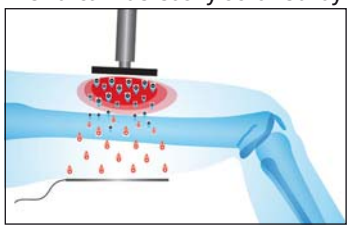
You can use contemporaney 2 leg cuffs. For this function you need double hose (code 28458)

• 28453 LEG CUFF 92x31 cm
• 28458 DOUBLE HOSE - to use two leg cuffs at the same time - spare
• 28459 LEG EXTENSION ZIPPER - 10 cm extra extension
• 28454 ARM CUFF - 6 CHAMBER 87x25 cm - spare
• 28455 WAIST CUFF 128x51 cm

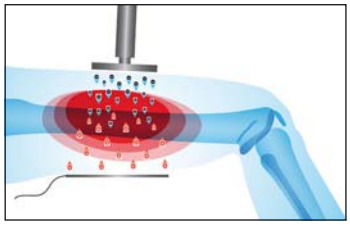
I-TECHAR - PROFESSIONAL TECAR THERAPY

• 28363 I-TECHAR TECAR THERAPY

Diathermy, also known as TECAR Therapy (meaning Capacitive and Resistive Energy Transfer), is a therapy stimulating the physiological healing process by accelerating the recovery time of motor function.
Diathermy stimulates tissues endogenous heat production through the interaction of electromagnetic field and tissue. The heat is increased in a uniform controlled way.
The electromagnetic interaction results in a ionic flow and consequently increases blood flow in the treated area.
This process stimulates endogenous substances release (in particular cortisol and endorphins) that are necessary to reduce inflammations, pain and edemas.
The new I-TECH.AR resistive/capacitive diathermy is a modern and highly performing device easy to use by professionals.
Pre-programmes help use the device from the start.
Moreover the device can set parameters (power, time therapy, capacitive/resistive modes) according to therapeutic needs.
It is provided with SMART CARD to allow the memorization of customized programmes. In this way patient protocols are easily consulted by therapists at any time.
I-TECH.AR is equipped with a wide graphic display showing therapy parameters and different working modes.
Menu can be easily scrolled by a comfortable control knob.



Capacitive mode
Electrode coated with ceramic material (mobile) and return plate (fixed). Indicated especially for soft tissues (muscle mass and lymphatic/vascular system). Benefits: specific intervention: easy control of the treated area.



Resistive mode
Non isolated electrode (mobile) and return plate (fixed). Indicated especially for tissues with greater resistance (bones, joints, tendons, ligaments, cartilages). Benefits: high level of diathermy; chronic diseases with fibrosis and degeneration

STANDARD ACCESSORIES

Power supply cable	Kit 3 capacitive electrodes
Spare fuses	(Ø 30 mm, 50 mm and 70 mm)
Resistive probe	Bottle of conductive cream 1000 ml
Kit 3 resistive electrodes	Steel plate
(Ø 30 mm, 50 mm and 70 mm)	Smart-card
Capacitive probe	User Manual: GB, IT

APPLICATIONS

Contusions - Cervical brachialgia - Cervicalgy - Coxarthrosis - Distorsions
Epicondylitis - Gonarthrosis - Lumbago - Lumbo-sciatica - Metatarsalgy
Muscle pathologies - Muscle sprains - Myalgia - Painful phantom limb
Patellar chondropathy - Plantar fasciitis - Relief treatment of muscles
Tendinitis - Tendon lesions

TECHNICAL SPECIFICATIONS

Power supply 220-240 V, 50/60 Hz
Power consumption 100 W
Working maximum power consumption 120 W
Peak power consumption 200 W
Peak voltage: Resistive 105 V max
Capacitive 300 V max
Peak current: Resistive 1.3 A max
Capacitive 500 mA max
Carrier frequency 455 kHz
Adjustable power 0-100%
Touch screen graphic display
Preset programmes, free memories, Smart Card

I-TECH UT2 - PROFESSIONAL ULTRASOUND THERAPY

• 28358 I-TECH UT2 ULTRASOUND THERAPY - 2 probes

Professional ultrasound device equipped with 2 handles respectively with 5 cm² and 1 cm² probe. Its equipment and parameters setting allow high performance suitable for professional users.
It is provided with 10 preset programmes within which professional user can adjust following parameters:
- frequency (1 or 3 MHz)
- Effective intensity (up to 3 W/cm²)
- Duty cycle (10%÷100% stepping 10)
- Therapy time (up to 30 minutes)

APPLICATIONS

Tendinitis - Bursitis/Capsulitis - Hematomas and tissue reconstruction - Muscle contractures/Cramps - Neuralgias - Periarthritis - Cervicalgias - Sciatalgy/Lumbalgy - Carpal tunnel syndrome - Epicondylitis/epitrochleitis - Contusions/sprains - Chondropathy - Massage - Arms/abdomen/legs/gluteus cavitation - Acne

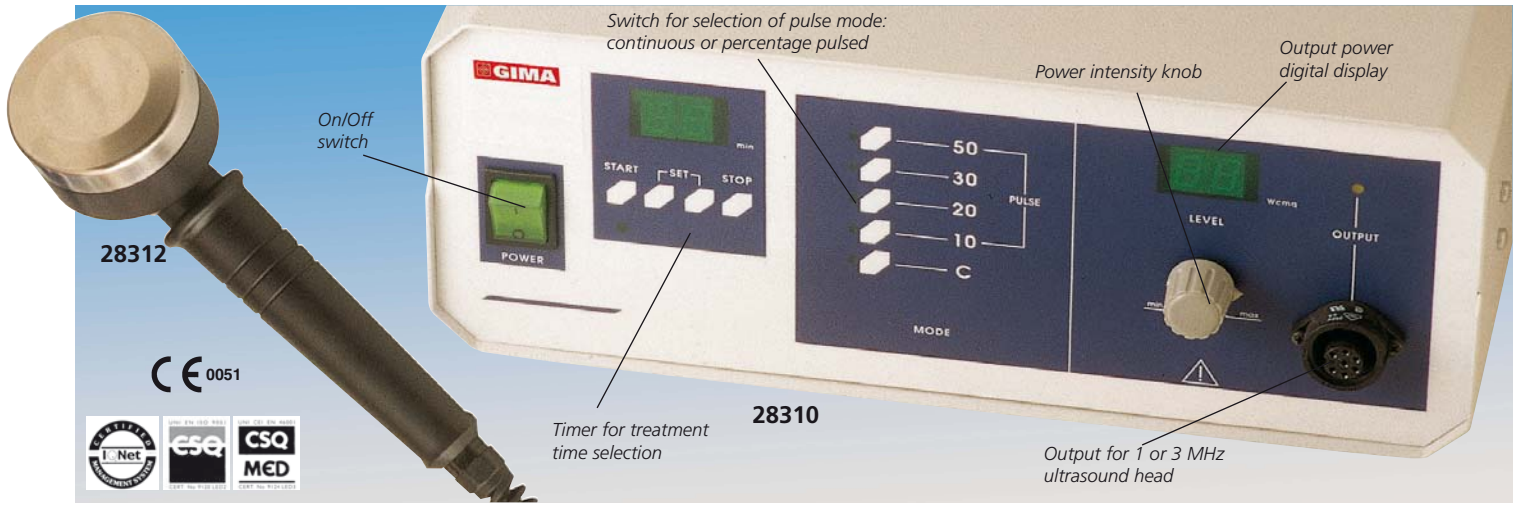
STANDARD ACCESSORIES

1 handle with 5 cm² probe	1 power supply 15 V, 3 A
1 handle with 1 cm² probe	1 ultrasound gel
1 power supply cable	User manual: GB, IT

TECHNICAL SPECIFICATIONS

Operating voltage: 100-240 V, 47/63 Hz, 1.35A, output 15V 3A max
Ultrasound frequency: 1 MHz ± 10% and 3 MHz ±10%
Output power: 0.5-10 W ± 20% when duty cycle ≥ 80% for 5 cm² ultrasound head
0.5-15 W ±20% when duty cycle ≤ 70% for 5 cm² ultrasound head
0.1-2 W ±20% when duty cycle ≥ 80% for 1 cm² ultrasound head
0.1-3 W ±20% when duty cycle ≤ 70% for 1 cm² ultrasound head
Max Power: 3 W/cm² ± 20% (1 MHz)
3 W/cm² ± 20% (3 MHz)
Working frequency: 100 Hz
Duty cycle: 10%-100% stepping 10%
Maximum adjustable therapy time 30 minutes
Effective radiating area 5 cm² ± 20%; 1 cm² ±20%
Collimated beam type Ultrasound head (material) aluminium
Direct contact and water immersion use
Led indicator Size: 350x186x86 mm

GIMA UT AUTOMATIC: ULTRASOUND THERAPY UNIT


Switch for selection of pulse mode: continuous or percentage pulsed
Power intensity knob
Output power digital display
On/Off switch
28312
CE 0051
28310
Timer for treatment time selection
Output for 1 or 3 MHz ultrasound head

• 28310 GIMA UT AUTOMATIC
ultrasound therapy unit without head

GIMA UT is an automatic system for ultrasound therapy which makes possible the use of ultrasound head with oscillation frequency from 1 MHz to 3 MHz.

TECHNICAL SPECIFICATIONS

Treatment time: programmable from 1 to 99 minutes
Selectable pulse/time%: 10%-20%-30%-50%-100%
Pulse frequency: 2 pulses/second
Max. intensity: 3 W/cm²
Operating voltage: 115/230 V - 50/60 Hz - switchable
Size: 360x265x150 mm Weight: 8 kg
Electrical safety class I BF - CE 93/42/EEC
Norms: EN 60601-1/IEC 601-2-5, EN 60601-2-5

Pulse frequency is 2 pulses/second. Modulation degree is selectable from 10% to 100%, through a digital keyboard. It is provided with digital adjustment of intensity with numeric indication. Maximum output power is: 37.7 W (3 W/cm²). Luminous read-out for distributed power.
Gima UT is recommended for: ultrasound lipoclasia, sports medicine, arthritis, arthrosis, neuralgia and backpain.
Supplied with power cord and user's manual.
Made in Italy.

• 28312 1 MHz ultrasound head Ø 60 mm
1 MHz frequency is recommended for physiotherapy.
• 28313 3 MHz ultrasound head Ø 60 mm
3 MHz frequency is recommended for aesthetics.

GIMA UTC 2: COMBINED ULTRASOUND AND ELECTROTHERAPY UNIT

• 28301 GIMA UTC 2 AUTOMATIC

UTC 2 is a programmable driver unit for ultrasound transducers with working frequencies from 1 up to 3 MHz together with 2 channels of electrotherapeutic current. UTC 2 delivers continuous or modulated ultrasound with programmable intensity and delivery time, suitable for thermo therapeutic deep treatment of different pathologic conditions. UTC 2 transducer handpieces can be used under water. UTC 2 delivers Dyadinamic, Faradic, Galvanic, Impulsive, T.E.N.S. and Bipolar electrotherapeutical currents.
- high brightness graphic touchscreen display
- intuitive icons interface
- controls of unit by multifunction knob, keys or touchscreen
- possibility to upgrade
- wide range of preset protocols
- customized programmes
- multi frequency handpieces
- automatic identification of the connected accessory
- continuous or pulsed delivery
- combined with electrotherapy
- sequence of treatment phases planning for each channel
- independent channels
- safety control blocks the output current in case of accidental disconnection of electrodes.

Made in Italy.

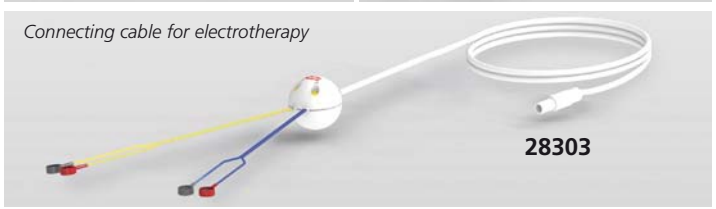
• 28302 1-3 MHz ULTRASOUND HEAD Ø 15 mm
• 28303 CONNECTING CABLE for electrotherapy
• 28304 CLIP RUBBER ELECTRODES 120x80 mm - box of 12
• 28305 CLIP RUBBER ELECTRODES 45x60 mm - box of 12
• 28323 VELCRO ELASTIC BAND 100x8 cm - spare

TECHNICAL SPECIFICATIONS

Output frequency (MHz):	1.0 to 3.0
Max intensity (W/cmq):	3.0
ET channels:	2
Max output direct current (mA)	30
Max output pulse current (mA)	70
Max output voltage (Vdc)	100
Power supply (Vac/Hz)	90-240 / 50-60
Electrical input power (VA)	70

Standard 1-3 MHz ultrasound head Ø 35 mm

Connecting cable for electrotherapy



STANDARD ACCESSORIES

1-3 MHz ultrasound head Ø 35 mm
Connecting cable for electrotherapy 1-2 (28303)
4 rubber electrodes 120x80 mm
4 rubber electrodes 45x60 mm
3 velcro elastic belt: 8x40, 8x60, 8x100 cm
Power cable 2 m

MAGNETOTHERAPY UNITS: DOMICILIARY AND PROFESSIONAL MODELS

TECHNICAL SPECIFICATIONS

Working frequencies:	2, 5, 10, 20, 30, 40, 50, 60 Hz
Intensity control:	20, 40, 60, 80, 99%
Waveform:	rectangular
Time of treatment:	1-99 min
Active channels:	CH1 - CH2 - CH1+CH2
Operating Voltage:	115/230V 50/60 Hz switchable
Power:	220 VA

Norms: EN60601-1 (CE162-5) - CE 93/42 EEC

Plates and Cylinder are not included in standard configuration.

- **28326 MAGNETOTHERAPHY PROFESSIONAL - unit only**
- **28327 KIT: 1 BELT + 2 PLATE TRANSDUCER - 100 Gauss**
- **28323 VELCRO ELASTIC BAND 100x8 cm - spare**
- **28325 CYLINDER Ø 24 cm - 100 Gauss**
- **28329 CYLINDER Ø 50 cm - 80 Gauss**
- **28328 CYLINDER Ø 60 cm - 80 Gauss**

MAGNETOMED is an ELF magnetotherapeutic unit designed for professional ambulatory or at patient home applications.

It is useful in the therapies that require treatment repetitions for a long period and/or long duration, or therapies on traumatized or immobilized patient that have difficulty to reach an outpatient phisiotherapy room.

Applications:
The main effects of the ELF magnetic therapeutic fields are:
- antiaedemic, antalgic, antiflogistic, regenerative
Main fields of application are: traumatology, rheumatology, angiology, neurology, dermatology, endocrinology.

MAG 2000 LOW FREQUENCY, HIGH INTENSITY MAGNETOTHERAPY

- **28300 MAG 2000 MAGNETOTHERAPY - 2 channels**

MAG 2000 is an ideal device for domiciliary and professional magnetotherapy. Two channels 150 gauss each to easily treat different body parts through the highly appreciated elastic therapeutic belt with 3 solenoids.
35 programmes: 20 pre-set programmes for the treatment of several pathologies, 14 programmes identified by the working frequency (from 1 to 100 Hertz) and an Autoscan programme with continuous frequency variation for the treatment of both hard and soft tissues at the same time. MAG 2000 has the possibility to set the intensity of magnetic field for all the programmes up to **300 Gauss on 2 channels** (150 Gauss for single channel). Operating power 110-240 V. Supplied with elastic therapeutic belt with 3 solenoids and bag.

35 PROGRAMMES

20 pre-set programmes		14 working freq.+autoscan	
Osteoporosis	Intercostal Contusion	1 Hz	70 Hz
Arthrosis	Lumbalgy	3 Hz	80 Hz
Arthritis	Lumbar pain	5 Hz	90 Hz
Cervical arthrosis	Shoulder arthrosis	10 Hz	100 Hz
Articular Pain	Knee arthrosis	15 Hz	Autoscan
Cervicalgias	Periarthritis	20 Hz	-
Sprains	Coxarthrosis	30 Hz	-
Fractures	Muscular Atrophy	40 Hz	-
Epicondylitis	Muscular contracture	50 Hz	-
Epitrocleitis	Osteonecrosis	60 Hz	-

T-ONE EVO II - 4 CHANNELS ALTERNATE CURRENT ELECTROTHERAPY

- **28338 T-ONE EVO II ELECTROTHERAPY - 4 channels**

101 programmes for over 300 applications (pain, fitness, sport, beauty). T-ONE EVO II can generate alternate impulses on its four channels to produce sequential stimulations or contractions. In this way T-ONE EVO II stimulates kinetic chains for re-educational purpose, and can also be used in fitness training. The high power of T-ONE EVO II can satisfy both the home users and the sportmen.

Main features:
- 4 independent channels for the connections of 8 electrodes
- constant current generator (can guarantee a constant current even when skin condition changes, the device automatically stops in the event of accidental electrodes disconnection)
- compensated biphasic square wave: avoids hazardous thermic effect of polarization
- user feedback: T-ONE recognizes patient connection
- soft-touch easy to use keyboard
- on-line guide on display for fast instructions
- internal Ni-Mh rechargeable battery pack (1600 mAh)
- different treatments for man and woman
- maximum intensity 240 mApp, with 0.5 mA step regulation
- 5 languages menu (GB, FR, IT, DE ES) and 3 languages manual (GB, FR, IT) ES manual on request
- compliance with 93/42/EEC MDD (medical device CE0476).

Size: 76x125x34 mm

STANDARD ACCESSORIES

4 connection cables (8 electrodes)
user manual (GB, FR, IT) and electrodes positions manual
5 electrodes packages
internal Ni-Mh rechargeable battery pack and battery charger carrying bag

16 Tens Programmes	9 Beauty Programmes	11 Sport Programmes
Tens rapid	Lipolysis*	Warm up*
Tens endorphinic	Refirming*	Recovery*
Tens sequential	Tonification*	Capillarization
Tens maximum value	Definition*	Competitive/Counteractive*
Tens Burst	Limbs modelling*	Long effort*
Cervical pain	Microlifting	Basic strength*
Lumbal pain	Relaxing massage	Speed*
Sciatalgy	General recovery	Explosiveness*
Distorsion Contusion	Drain-up	Endurance
Inflammatory		Tonic contractions
Vascularization		Phasic contractions
Decontraction		
Hematoma		
Regenerating skin		
Atrophy prevention		
Atrophy		

** These programmes allow 6 different modes: upper limbs, torso, lower limbs, for man and woman*

IONO BASE PLUS - GALVANIC IONOPHORESIS

• 28306 IONO BASE - PLUS - 2 channels
Local administration of medicines by Ionophoretics, electric osmosis and treatment of hyper hydrosis (sweating disease) and cellulitis. Current generator for hydro galvanization, aesthetic shaping and against cellulitis slight blemish. Microprocessor controlled, with selection of parameters and internal programs it is characterized by its simplicity and safety of use, although it maintains characteristics of a professional equipment. Complete kit of accessories for treatment (see photo). It comes with ABS case and velcro elastic bands, rubber conductive electrodes 80x120mm and 50x50mm and envelopes sponges for electrodes. Made in Italy.

• 28335 RUBBER ELECTRODES 50x50 mm - box of 10

• 28336 SPONGE BAGS for electrodes 50x50 mm - box of 10

CE 0051

28306

TECHNICAL SPECIFICATIONS

Size: 138 x 68 x 193 mm
Operating Voltage: 230 V - 50/60 Hz
Absorbed Max Power: 10 VA Max Output Current: 20 mA
Safety class: II BF - 93/42/EEC. Made in Italy.

12 - PROGRAM DIGITAL STIMULATOR - for AESTHETIC, REHABILITATION and SPORT

• 28308 STIM BASE PLUS - 12 programs - 2 channels
Bipolar pulsing, square-wave current generator for muscle toning and stimulation as well as pain relief. Stim base is microprocessor controlled, with 2 output channels and 12 pre-set programs (5 sporting, 4 aesthetic and 3 rehabilitative). Sporting programs deliver balanced stimulation to single flexion-extension muscle actions. In aesthetic treatments the system uses the properties of the applied DC current to induce vasodilatation, lymphatic drainage, microcirculation renewal and toning with selective modeling. Therapy programs allow resolution of muscles micro trauma. Supplied in ABS case with all standard accessories shown in this picture.

• 28317 KIT OF 4 ELECTRODES - spare - 4.5x8 cm

CE 0051

28308

TECHNICAL SPECIFICATIONS

Size: 138x68x193 mm
Operating Voltage: 230 V - 50/60 Hz
Absorbed Max Power: 10 VA Max Output Current: 60 mA
Safety class: II BF - CE 93/42/EEC. Made in Italy.

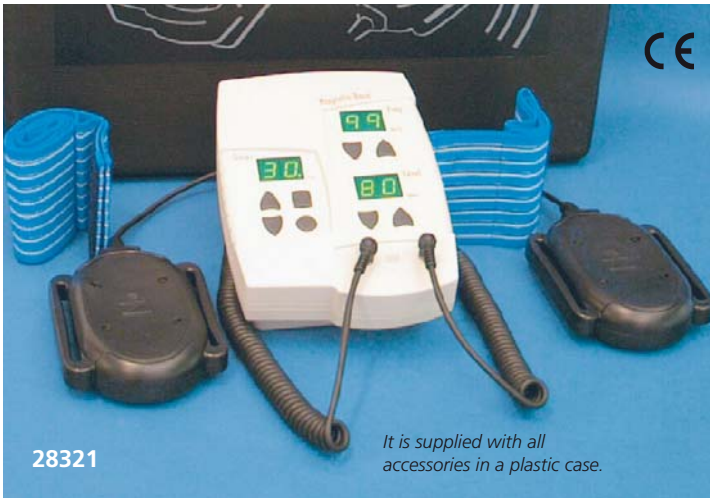
MT BASE: MAGNETOTHERAPY

• 28321 GIMA MT BASE PLUS - magnetotherapy
Magneto Base Plus + is an ELF low frequency magnetotherapic unit designed for domiciliary applications.
The most important effects of the magnetic fields are: Antiedemigen / Analgesic / Antiphlogistic / Regenerative and have applications in: traumatology, rheumatology, angiology, neurology, dermatology, endocrinology.
The magnetic field produced is impulsive.
The internal generator produces square waveform electrical current with frequency varying from 10 to 99 Hz and impulse time varying so to obtain a field's intensity determinated from 10 to 80 Gauss.
Internal sound sensor of magnetic field and safety system in case of short-circuit.
Two transducers can be connected at the same time (the field produced by each transducer is half of the total).

GIMA code	ACCESSORIES FOR MAGNETOTHERAPY	Minimum order
28322	Plate transducer 70x120 mm	1 pc.
28323	Velcro elastic band 100x8 cm	1 pc.

STANDARD ACCESSORIES

GIMA MT base unit
power cable
2 plate transducers 80 gauss - 120x70 mm
1 velcro elastic band 60xh 8 cm
1 velcro elastic band 100xh 8 cm
ABS carrying case
Manual (English, Italian)



28321

It is supplied with all accessories in a plastic case.

TECHNICAL SPECIFICATIONS

Waveform: square
Max. ratio emission/pause: 50%
Selectable magnetic field from 10 to 80 Gauss
Selectable frequency: from 10 to 99 Hz
Intensity of magnetic field: 80 Gauss (8mT)
Operating voltage: 230V/50-60 Hz
Size: 193x138xh 68 mm Weight: 1 kg
Safety class: II BF - Norms: EN60601-1 (CE162-5)

SMART TENS - EMS

Digital keyboard

28355
On line quick guide on display

• 28355 SMART TENS

TENS is a therapeutic technique mainly used for analgesic purposes in physiotherapy.
Suitable for a wide variety of pain therapies: acute or chronic pain, muscular pain, post-operative pain and also pains caused by pregnancy. It's usually divided according to its action mechanism in tens conventional, tens endorphinic, tens sequential, tens maximum value, tens Burst.
EMS is a stimulating technique activating muscular contractions through electrical impulses.
As in TENS stimulation, impulses are applied to patient through electrodes placed next to the muscles to be treated.
In physiotherapy EMS is used for post-trauma and post-operative muscular rehabilitation and also as a complementary aid in sports activity and aesthetic treatments.
Basic programmes used in TENS treatments together with EMS classic protocols are combined in this product. SMART TENS offers a wide possibility to treat acute and chronic pains (TENS) and muscular strengthening and stimulation (EMS).
Supplied with 2 connection cables for electrodes, 4 pre-gelled electrodes, belt clip, 4xAAA size batteries, user manual (GB, FR, IT, DE, ES) in a carrying bag.

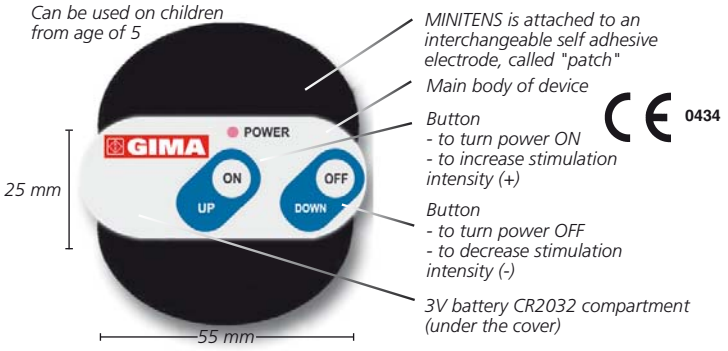
TECHNICAL SPECIFICATIONS

- combined electrotherapy unit with 2 independent channels
- compensated biphasic square wave: current quantity from positive pole to negative one is constant to avoid hazardous thermal effect of polarization
- 6 TENS stored programmes
- 1 TENS free programme
- 5 EMS stored programmes
- 1 EMS free programme
- 2/120 Hz waveform frequency
- 50/400 µs width impulse
- 60 mA maximum intensity
- power supply 4 batteries AAA Size
- size: 68x110x31 mm
- weight: 85 g (without batteries)

WIRELESS MINITENS

• 28345 MINITENS - pain-relieving patch
• 28346 SPARE PATCH ELECTRODE 62x53 mm

A new innovative concept: simple, effective and always available.
First electronic pain-relieving patch resulting from combination of modern cellular electrophysiological knowledge and an ancient physical technique: acupuncture. MINITENS is equipped with a powerful microprocessor and a performant and intelligent stimulation programme, allowing:
- recovery of electrical exchanges on either side of the cellular membrane and of block of the pain sensation conveyance to the brain
- relax and boost of the activity of nerves, muscles, tendons and joints.
The form of the electrical stimulations is physiological, it relieves pain quickly, deeply and naturally.



INCONTINENCE TENS

• 28341 INCONTINENCE TENS

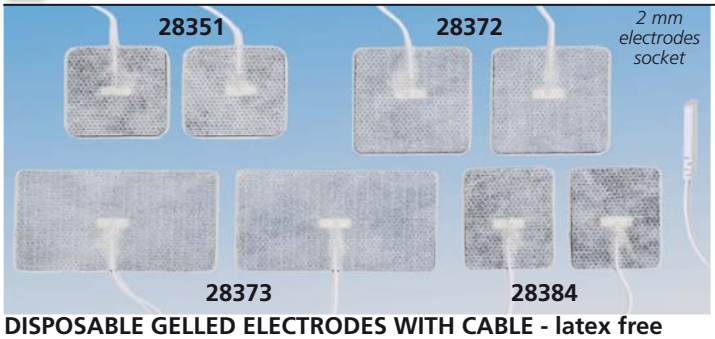
Incontinence stimulator with 5 preset programmes. Precise intensity adjustment at 1mA each step.
Suitable for treatment of female incontinence.
A handy soft fabric pouch allows user to store and clean the unit easily.
Compact size ensures privacy of user.
Size smaller than standard pre-programmed T.E.N.S., device weighs only 50 g, including 2 batteries.
The user can carry it in the pocket or wear it by the small rope attached to the top of unit.

28341

TECHNICAL SPECIFICATIONS

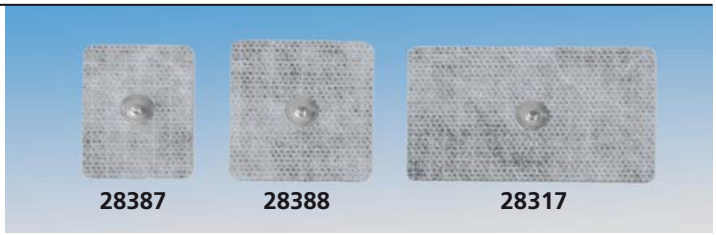
Channel: Single channel
Pulse Amplitude: adjustable, 0-80mA peak to peak into 500ohm load
Power Supply: 2 Lithium CR2032 Batteries
Programme: A, B, C, D, E, 5 pre-setting programmes
Wave Form: Asymmetrical Bi-Phasic Square Pulse
Voltage: adjustable, 0-40V peak to peak into 500 ohm load
Size: 77.6mm(L) x 47.8mm(W) x 17.2mm(H)
CE 0434

DISPOSABLE GELLED ELECTRODES FOR ELECTROTHERAPY



DISPOSABLE GELLED ELECTRODES WITH CABLE - latex free
High material flexibility allows easy application of electrodes on treated areas. Solid gel maintains the electrode adhesion and conducivity unchanged during procedure. The electrodes are equipped with 10 cm long cable, with 2 mm socket.

• 28384 GELLED ELECTRODES with cable 45x35 mm - bag of 4
• 28351 GELLED ELECTRODES with cable 40x40 mm - bag of 4
• 28372 GELLED ELECTRODES with cable 46x47 mm - bag of 4
• 28373 GELLED ELECTRODES with cable 45x80 mm - bag of 4



DISPOSABLE GELLED ELECTRODES AND ADAPTORS - latex free
High material flexibility allows easy application of electrodes on treated areas. Solid gel maintains the electrode adhesion and conductivity unchanged during procedure.

• 28387 GELLED ELECTRODES 45x35 mm - bag of 4
• 28388 GELLED ELECTRODES 46x47 mm - bag of 4
• 28317 GELLED ELECTRODES 45x80 mm - bag of 4
• 28390 2 mm CLIP ADAPTORS - black - box of 10
• 28391 2 mm CLIP ADAPTORS - red - box of 10
• 28392 4 mm CLIP ADAPTORS - black - box of 10
• 28393 4 mm CLIP ADAPTORS - red - box of 10

ADAPTORS

MIO-CARE - 2 CHANNEL TENS

• 28370 MIO-CARE TENS - 20 medical programmes
• 28376 MIO CARE FITNESS - 55 programmes
(20 medical + 15 beauty + 20 fitness programmes)

20 PROGRAMMES
300 APPLICATIONS

55 PROGRAMMES
500 APPLICATIONS

- 2 independent channels stimulator
- compensated biphasic square wave: avoids hazardous thermic effect of polarization
- digital easy to use keyboard
- remaining therapy time and programmes instruction shown on graphic display
- internal rechargeable battery pack
- maximum intensity 200 mA
- compliance with 93/42/EEC MDD (medical device CE0476)

Dimensions: 60x135x19 mm

CE 0476

28370

28376

Supplied in a carrying bag with 2 connection cables, with splitters, 5 language user manual (GB, FR, IT, DE, ES), 8 adhesive pads, internal rechargeable battery with battery charger.

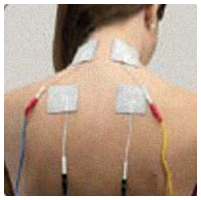
• 28372 GELLED ELECTRODES with cable 46x47 mm - bag of 4
• 28373 GELLED ELECTRODES with cable 45x80 mm - bag of 4

20 MEDICAL PROGRAMMES (28370 and 28376)		15 BEAUTY PROGRAMMES (28376 only)		20 FITNESS PROGRAMMES (28376 only)	
Tens conventional (rapid)	Hand and wrist pain	Firming up - upper limbs and trunk	Lipolysis - thighs	Warming up	Muscle recovery
Tens endorphinic (delayed)	Plantar stimulation	Firming up - lower limbs	Lipolysis - glutei and hips	Resistance-upper limbs and trunk	Agonist - antagonist
Tens maximum values	Epicondylitis	Toning up - upper limbs and trunk	Lipolysis - arms	Resistance-lower limbs	Sequent. tonic contract. - upper limbs and trunk
Inflammatory	Epitroclea	Toning up - lower limbs	Tissue elasticity	Resistant strength - upper limbs and trunk	Sequential tonic contractions - lower limbs
Neck pain/cervicogenic headache	Periarthritis	Definition - upper limbs and trunk	Capillarization	Resistant strength - lower limbs	Sequential phasic contract. - upper limbs and trunk
Backache/sciatic pain	Microcurrent	Definition - lower limbs	Heaviness in legs	Basic strength - upper limbs and trunk	Sequential phasic contractions -lower limbs
Sprains/bruises	Stress incontinence	Modelling		Basic strength - lower limbs	Muscle relaxant
Vascularization	Urgency incontinence	Microlifting		Fast strength - upper limbs and trunk	Deep massage
Muscle relaxant		Lipolysis - abdomen		Fast strength - lower limbs	
Haematomas				Explosive strength - upper limbs and trunk	
Atrophy prevention				Explosive strength - lower limbs	
Atrophy (trophism rehabilitation)				Deep capillarization	

MIO IONOTENS, 2 CHANNELS

• 28380 MIO-IONOTENS 4 + 16 programs
• 28381 IONOPHORESIS KIT - spare
(1 elastic band, 2 rubber electrodes, 2 sponges)

CE 0476



28380

New 2 channels stimulator for those customers who need an easy to use device with high output power and a complete list of TENS programmes plus some ionophoresis programs. Portable and easy to use, equipped with RGB (Red-Green-Blue) Safe System. The colour of the display alerts the user about its correct use:
- green light: normal working
- red light: abnormal functioning, for example when it recognizes electrodes disconnection
- blue light: output current up to 2/3 of maximum intensity

MIO-IONOTENS has 4 TENS programmes adjustable by the user, choosing treatment frequency, impulse width and therapy time, 3 programmes design for standard ionophoresis treatments, 2 high impact ionophoresis programmes and 11 TENS programmes for pain therapy (all with pre-set parameters).
Supplied in a carrying bag, with 2 cables, ionophoresis kit, 1 set of 4 gelled electrodes (41x41 mm), 1 set of 4 gelled electrodes (40x80 mm), belt clip, 4x1.5 AAA alkaline batteries, user manual (GB, FR, IT, DE, ES).

MIO-VEIN - CALF STIMULATOR

• 28378 MIO-VEIN CALF STIMULATOR

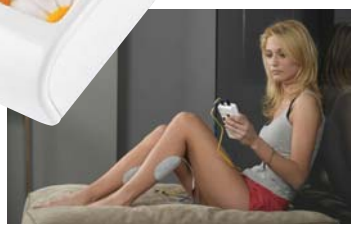
2 channels FES device (Functional Electrical Stimulation) to stimulate calf muscles and help the correct venous circulation. Its stimulation reactivates calf muscular pump that is mainly responsible of venous return. Calf muscles contraction promotes the compression of superficial and deep veins. As a consequence blood reaches the heart more easily. Mio-Vein can be used not only to help the natural blood flow but also to prevent venous insufficiency and deep vein thrombosis. Moreover it can be used in presence of lower limb edemas, venous ulcers and venous diseases. It is an important support to compressive stocking therapy and finally to venous stasis treatment.

Main features:
- two independent channels for the connection of 4 electrodes
- easy to use digital keyboard
- adjustable intensity
- on-line guide on display for fast instructions
- reflective LCD display
- FES specific programme for venous stimulation
- operating with internal rechargeable battery
- 60 mA maximum intensity
- width impulse 30-240 µs

Dimensions: 114x68x26 mm

CE 0476

28378



Supplied with 2 connections cables, 4 oval electrodes for calf, belt clip, Ni-Mh rechargeable battery, battery charger, user manual (GB, FR, IT, DE, ES), carrying bag.

• 28379 OVAL ELECTRODES - set of 2 - 130x76 mm

INFRARED THERAPY LAMP - 250 W

- **28653 INFRARED THERAPY LAMP - 250 W - trolley**
- **28654 SPARE BULB - 250 W**

The infrared light effectively relieves the suffering caused by sore muscles and joints ankylosis. The comfortable warmth created by infrared light penetrate deep into the skin, stimulates blood circulation and warms the muscles. While the muscles are relieved, they automatically stretch and relax.
At the same time, the blood circulation helps your body get rid of impurities and quickly sends oxygen-rich blood to stressed or aching muscles, causing an effective pain relief.

INFRAREX: THERAPEUTIC HEATING DEVICE

- **28650 INFRAREX 230 V - 50/60 Hz**
- **28651 SPARE BULB 7.5 W**

FDA Approved CE 0434

Infrarex is a modern scientifically electronic therapeutic heating device which provides deep, infrared heat that can penetrate far below the surface of the skin to produce a shooting, comforting effect upon the nerves. It relieves muscular tension, reduce inflammation and provides pain relief without medication for many conditions such as: arthritis, bursitis, sinusitis, tennis elbow, back ache, neuralgia, muscular pains, aches, sprains, and other musculoskeletal aches.
Infrarex provides pain relief without medication, you will experience pain relief within 10-15 minutes. No concern for side effects, simple to be used.

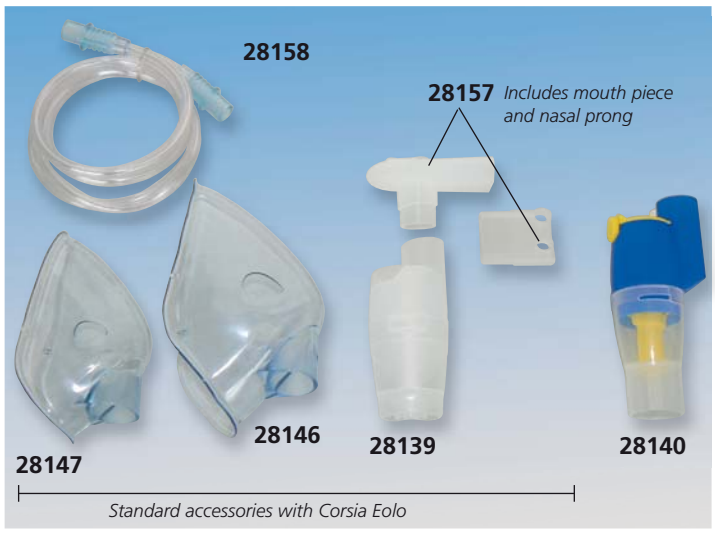
ELECTRIC HEATING PAD

- **28655 ELECTRIC HEATING PAD** Suitable for many applications.
- **28656 ELECTRIC "SAND" HEATING PAD**

The use of purified marine sands make it possible to naturally transmit their beneficial warmth.
Heating: 48-52°C (initial 30 minutes) 52-56°C first hour, up to 65°C following hours.
External cover in cotton (94%) and nylon, internal bag in PVC
Operating power: 230 V - 50/60 Hz - 75 W (28656) - 55 W (28655)

ACCESSORIES FOR ANY BRAND OF NEBULIZER

ACCESSORIES FOR NEBULIZER
Gima offers different nebulizer bulbs with their line of accessories, suitable for any brand of nebulizer.



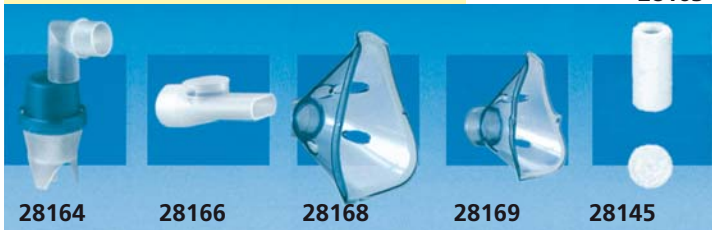
GIMA code	NEBULIZER ACCESSORIES	To be used with
Standard accessories with Famiglia, Corsia, Eolo		
28158	PVC connection tube - 1m	all nebulizers
28139	Nebulizer bulb	all nebulizers
28146	Facemask - adult* - *replaces 28143*	bulb 28139/28140
28147	Facemask - paediatry* - *replaces 28144*	bulb 28139/28140
28157	Mouthpiece - nasal prong	bulb 28139/28140
28138	Nebulizer kit *adult and pediatric facemask, pvc-tube, bulb, nasal prong, mouthpiece*	all nebulizers
28140	Nebulizer bulb	all nebulizers

*With elastic

FASTERJET BULB
with Valve System
A new designed Jet Nebulizer capable of delivering any medication in a very short time with a high amount of respirable particles. The Valve System makes therapy extremely efficient by reducing the amount of wasted medication while optimizing the output to the patient.

TECHNICAL SPECIFICATIONS FASTERJET
Capacity: 16 ml Neb rate: 0.60 ml/min
Respirable volume: <5 µm 80%
Residual volume: 0.8 ml
MMAD (Mass Median Aerodinamic Diameter): 2.7 µm

Fasterjet bulb: For delivering any medication in a very short time



GIMA code	NEBULIZER ACCESSORIES	To be used with
28163	Fasterjet bulb* with Valve System	all nebulizers
28164	Nebjet bulb ** with Double Venturi Effect	all nebulizers
28165	Mouthpiece bi-valve	bulb 28163
28166	Mouthpiece	bulb 28164,
28167	Nasal Prong	bulb 28164, 28163
28168	Facemask-adult***	bulb 28164, 28163
28169	Facemask-pediatry***	bulb 28164, 28163
28145	Hidrofobic, 99%antibacteric filter	28130/1/2/3/4/5

* Standard with Happyneb II, Hospyneb ** Standard with Happyneb I, III, Betaneb
***Without elastic

FAMILY AND PINGOO ULTRASONIC NEBULIZERS

CE 0476

28106

28117

GIMA code	ULTRASONIC NEBULIZERS
28106	Family ultrasonic nebulizer
28117	Pingoo ultrasonic nebulizer
28113	Re-chargeable battery Ni Cd 12 VDC - Family
28115	Re-chargeable battery Ni Cd 12 VDC - Pingoo
28114	Spare Kit: includes adult and paediatric facemask, nasal prong, mouthpiece and tube
28121	Medication cups Family (box of 15 pcs.)
28122	Medication cups Pingoo (box of 15 pcs.)

ULTRASONIC NEBULIZERS
Thanks to the innovative electronic technologies these easy-to-use ultrasonic nebulizers provide a quiet, fast and portable operation with optimal particle size.
Portable: small and lightweight, it allows patients to perform treatments anytime and anywhere.
Optimal particle size: particle size determines the extent to which the medication can be inhaled by the patient into the deep lung tissue.
Around 90% of particles generated by Family or Pingoo fall within the optimal 1-5µ (microns) size.
Fast treatment: with its high-efficiency design, it allows a quick treatment time, most within 6 minutes, with limited power consumption.
Low noise level: treatments are not only fast but are virtually silent due to its advanced ultrasonic technology.
8 languages user manual: English, French, German, Italian, Spanish, Portuguese, Greek and Arabic.

28106

TECHNICAL SPECIFICATIONS
Operating voltage: 220-240 V 50/60 Hz Power: 10 W
Ultrasonic frequency: 2.5 MHz
Nebulization time: 0.2-0.7 ml/min depending on medication density
Medication cups capacity: max 8 ml Family, max 4.5 ml Pingoo
Automatic switch-off
Particle size: 5 µ (microns) average
Three programmable flow levels
Noise level: <40 dB

STANDARD ACCESSORIES

Adult facemask (only Family)	Medication cups
Pediatric facemask	Transformer (220-240V-12V DC)
Nasal prong, Mouthpiece	Carriyng bag
Connection tube	User manual

POCKET ULTRASONIC NEB

CE 0476

28080

- **28080 POCKET ULTRASONIC NEBULIZER**
- **28081 MEDICINE CUPS - box of 50**
- **28082 RESPIRATORY ACCESSORY KIT (adult and pediatric mask, mouthpiece, flex tube)**

Small, handy, light weight, portable nebulizer, that **can operate with standard AA batteries** (conventional or rechargeable) instead of expensive dedicated rechargeable batteries or AC adaptor 100-240 V. Two adjustable nebulization rate. Provides optimal treatment for all kinds of medication with different density. Supplied in a nylon carrying bag with AC adapter adult and child mask, mouthpiece 10 medicine cups, and transformer.

STANDARD AA BATTERY OPERATED

TECHNICAL SPECIFICATIONS
Operating voltage: DC 6 V (4xAA alkaline batteries)
AC adaptor: input: 100-240 V - 50/60 Hz AC/Output: 12 V / 700 mAh
Rechargeable battery: 4xAA NiMH rechargeable batteries / 2000 mAh (90 minutes)
Ultrasonic Frequency: 2.5 mHz
Medication cups capacity: ≤ 6 ml
Nebulization rate: 2 speed adjustable
- 1st level - 0.3 ml/min - 2nd level - 0.5 ml/min
Particle size: 3-5 µ (microns)
Treatment time: 5-6 min (2-3 ml)
Sound level: ≤ 50 db

HOMECARE ULTRASONIC NEB

CE 0476

- **28085 HOMECARE ULTRASONIC NEBULIZER**
- **28086 MEDICINE CUPS - box of 50**
- **28082 RESPIRATORY ACCESSORY KIT (adult and pediatric mask, mouthpiece, flex tube)**

Desktop ultrasonic nebulizer for homecare. Supplied with flexible nose, adult and child mask, mouthpiece and 10 medicine cup.
- **3-speed nebulization rate control** - provides optimal treatment for all kinds of medication with different density.
- **Specialized design** - with swivel air outlet to suit all kinds of treatment.

28085

TECHNICAL SPECIFICATIONS
Operating voltage: 230 V-50 Hz
Power consumption: ≤ 30 VA
Medication cups capacity: ≤ 10 ml
Nebulization rate: 3 speed adjustable 0.3-0.6 ml/min
0.6-0.9 ml/min
0.9-1.2 ml/min
Particle size: 3-5 µ (microns)
Ultrasonic frequency: 2.5 MHz±100Khz
Size: 220x110x205 mm - 1.3 Kg

NEBULIZERS FOR DOMESTIC USE

- **28130 HAPPYNEB I NEBULIZER - diaphragm 230V**
- **28132 HAPPYNEB II NEBULIZER - piston 230V- Faster-Jet**
- **28135 HAPPYNEB III NEBULIZER - piston 230V**

Happyneb new stylish and portable nebulizer for a quick and efficacious aerosol therapy.
Three versions available.
With piston (with or without Faster-Jet bulb) or membrane compressor.
Italian innovative shape and design
Reliable, practical and safe.
Noiseless and lubrication free.
Unit includes an air filter to be replaced every 70 applications, and handle for easy carrying.
It is built in accordance with European Standard EN 60601-1.
5 languages box and manuals.
Available in English, French, German, Italian, Spanish

- **28145 FILTER - spare**

CE 0434

28132

WITH FASTER-JET BI-VALVE BULB FOR A QUICKER DELIVERY OF PARTICLES

Happyneb III with Nebjet chamber

28135

STANDARD ACCESSORIES

	28130 HAPPYNEB I	28132 HAPPYNEB II	28135 HAPPYNEB III
Adult face mask:	1	1	1
Pediatry face mask:	-	1	1
Fasterjet bulb:	-	1	-
Nebjet bulb:	1	-	1
Mouthpiece:	1	1	1
Nasal prong:	1	1	1
Connection tubing:	1	1	1

TECHNICAL SPECIFICATIONS

	28130 - HAPPYNEB I	28132 - HAPPYNEB II	28135 - HAPPYNEB III
Compressor:	diaphragm - membrane	piston	piston
Voltage:		230V/50 Hz	
Fuse:	T500 mA/250V	T1,6 A / 250V	T1,6 A / 250V
Operating pressure:	0.70 bar	1.1 bar	0.90 bar
Air flow:	8 l/min	15 l/min	14 l/min
Dimensions:		31x22x13 cm	
Weight:	2.3 kg	2.3 kg	2 kg
Noise level		58 db	56 db
Temporary use:	30/30 min ON/OFF	Continuous use	30/30 min ON/OFF
Class of risk		IIa	
Norms:		Class II, Type B	
Origin:		Italy	

EOLO NEBULIZER - PISTON

- **28097 EOLO NEBULIZER - piston**
- **28091 EOLO NEBULIZER - piston - UK plug**

Innovative, portable, easy to use nebulizer for home use, recommended to nebulize antibiotics and bronchodilator drugs. Plastic body with high thermal insulation. Supplied with adult and pediatric face mask, bulb, mouthpiece, air tubing and air filter. Made in Italy.

- **28095 FILTER - box of 20 pcs.**

CE 0476

28097

TECHNICAL SPECIFICATIONS

	28097 EOLO	28102 MISTRAL
Operating voltage:	230V - 50/60Hz - 170VA 110V or 60Hz on request	230V/50 Hz - 170VA 110V or 60Hz on request
Operating pressure:	1.1 bar	1.1 bar
Air flow:	14 l/min	14 l/min
Nebulization rate	0.4 ml/min	0.35 ml/min
Particle size	< 5 µm	< 5 µm
Max Pressure:	2.5 bar	2.5 bar
Dimensions:	22x14.5x12 cm - 1.7 kg	13x8.9x14.6 cm - 1.5 kg
Noise level (EN 13544-1)	55 db	60 db
Class of risk	IIa	IIa
Norms:	Class II, Type B	Class II, Type B
Origin:	Italy	Italy

MISTRAL NEBULIZER - PISTON

- **28102 MISTRAL NEBULIZER - piston**

Compact portable nebulizer for home use.
Duty cycle: 20 min on / 40 min off
Supplied with Hi Flo bulb, adult and pediatric mask with string, mouthpiece, nosepiece, air tubing and 2 pair filters.

- **28088 FILTER - box of 20**

CE 0476

28102

NEBULIZERS FOR PROFESSIONAL AND HOSPITAL USE

28089

Nasaljet is a quick effective nasal irrigation device for rinsing the nasal and rhino-pharingeal cavities

28090

CONTINUOUS USE COMPRESSOR

Metal box

28134

PROFESSIONAL NEBULIZERS

Piston compressor nebulizers for professional and home care use. They embodies all the dictates of modern aerosol therapy techniques. Reliable and simple to use, also by inexperienced users. Manual: GB, FR, IT, DE, ES. Made in Italy.

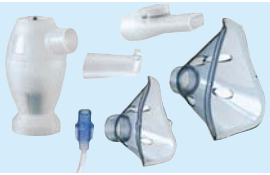
GIMA code	PROFESSIONAL NEBULIZER	Voltage
28134	HOSPINEB PROFESSIONAL	230 V - 50 Hz
28136	HOSPINEB PROFESSIONAL	230 V - 60 Hz
28137	HOSPINEB PROFESSIONAL	110 V - 60 Hz
28090	COMP-A NEB PROFESSIONAL	230 V - 50 Hz
28089	NASALJET	-
28145	FILTER - spare	

TECHNICAL SPECIFICATIONS

	HOSPINEB	COMP-A NEB
Operating voltage:	230 V - 50 Hz	
	110 V - 60 Hz	110 V - 60 Hz on request
	230 V - 60 Hz	230 V - 60 Hz on request
Size:	37x10xh 24 cm	19.6x35.7xh 18.5 cm
Max pressure:	350 kPa (3.5 bar)	280 kPa
Noise level:	60 dBA	55 dBA
Operating pressure:	0-130 kPa (0-1.3 bar)	0-100 kPa
Weight:	2.6 kg	2.5 kg
Air Flow:	15 l/min	
MDD class:	IIa	

STANDARD ACCESSORIES

Fasterjet nebulizer with valve system
Nosepiece irrigation (polypropylene)
Mouthpiece (polypropylene) with valve (silicone)
Adult and child mask (PVC DEPH free)
Air tube (PVC DEPH free) and spare filter.
Nasaljet (only with 28090).



• 28105 CORSIA PROFESSIONAL NEBULIZER - piston

• 28092 CORSIA PROFESSIONAL NEBULIZER - piston - without manometer

Piston-type compressor nebulizers designed for continuous use. High perfomance with any type of drug, ideal for intensive hospital and clinic use. Recommended for atomizing antibiotics and bronchodilator drugs. Manufactured with high thermal and electric insulation plastic chassis in accordance with the latest European Safety regulations. The oil-free piston compressor has long durability and is equipped with the highly efficent HI-FLO jet nebulizer to guarantee quick and accurate drug delivery. Easy to handle and transport.

• 28104 FILTER - spare - box of 2

CONTINUOUS USE COMPRESSOR

28105

28092

TECHNICAL SPECIFICATIONS

Operating Voltage: 220-230 V - 50/60 Hz
Power consumption: 184 VA
Max pressure: 250 kPa (2.5 bar)
Air flow: 16 l/min
Operating pressure: 130 kPa (1.30 bar)
Operating air flow: 5.2 l/min at 130 kPa
Nebulization rate: 0.50 ml/min with 4 ml solution
MMAD: 3.25 µm — GSD: 3.45
Size: 255x190xh 105 mm — Weight: 2.2 kg
Noise level: approx 57 db — Made in Italy

STANDARD ACCESSORIES

HI-FLO Jet bulb — Mouthpiece
Adult and child mask — Air tube and air filter

ATOMIZER 2 SPEEDS, PISTON NEBULIZER FOR FAMILY USE

• 28094 ATOMIZER NEBULIZER - 2 speeds

Piston-type compressor with 2 speeds for family use. With accessory compartment separated from cord compartment for improved hygiene. Made in Italy.

• 28093 FILTER - spare - box of 3

TECHNICAL SPECIFICATIONS

Operating voltage:	230 V - 50 Hz	
Operating cycle:	continuous	
Operating pressure:	speed 1: 45 kPa - speed 2: 60 kPa	
Air Flow:	speed 1: 8 l/min - speed 2: 11 l/min	
Nebulization rate:	speed 1: 0.2 ml/min - speed 2: 0.35 ml/min	
Particle size:	80% < 5 µm	
Max pressure:	1.85 bar / 185 kPa	
Weight:	1.4 kg	
Noise level:	56 db	Class of risk: IIa

Standard accessories

STANDARD ACCESSORIES

Nebjet bulb with connector
Adult and child mask
Mouth piece and nose piece
Air tube and 3 air filter

28094

Accessories compartment

MEDICAL GRADE SILICONE TUBES FOR EXTERNAL USE

SILICONE TUBES for external medical use - silicone 100%
Suitable for autoclaving (135°C - 2.2-2.5 bar) and Gamma Sterilization. Heat resistant in hot air up to 200°C.
Infra-red vulcanization.
Hours treatment at 200°C temperature in special oven.
Anti-adherent, avoid incrustation and coagulation.
Medical Grade - Transparent - Odourless

TECHNICAL SPECIFICATIONS
Raw material: HTV-R-401/60 E - WACKER (D)
Colour: translucent
Hardness: 60° +/-5% Shore - DIN 53505
Density: 1.17 g/ccm - DIN 53479A
Tensility: 10.8 N/mm2 - DIN 53504 S1
Stretch: 490/530% - DIN 53504S1
Tear resistance: 34-35 N/mm - ASTM D 624 B
Reverse pull elasticity: 51% - DIN 53512
Compression set: (22h/175°C): 30-15% - DIN 53517

Made in European Union according to: US PHARMACOPEA XXI EUROPEAN PHARMACOPEA DIN 58367 - DIN 58362 - DIN 13098- FDA 177.2600 - BGA XV part A and B - BGA IX part B

MADE TO ORDER SILICONE TUBES
We can manufacture any size
(minimum order 500 m - delivery 30 days)

GIMA code	Internal diameter x external diameter	Thickness mm	Minimum order
25830	1x3 mm	1 mm	100 m
25831	2x4 mm	1 mm	100 m
25832	3x5 mm	1 mm	100 m
25833	4x6 mm	1 mm	100 m
25835	6x8 mm	1 mm	30 m
25839	3x6 mm	1.5 mm	30 m
25840	4x7 mm	1.5 mm	30 m
25841	5x8 mm	1.5 mm	30 m
25842	6x9 mm	1.5 mm	30 m
25843	7x10 mm	1.5 mm	30 m
25844	4x8 mm	2 mm	30 m
25836	5x9 mm	2 mm	30 m
25845	6x10 mm	2 mm	30 m
25846	8x12 mm	2 mm	30 m
25847	10x14 mm	2 mm	30 m
25848	5x10 mm	2.5 mm	30 m
25849	7x12 mm	2.5 mm	30 m
25837	8x13 mm	2.5 mm	30 m
25838	10x15 mm	2.5 mm	30 m
25850	6x12 mm	3 mm	30 m
25855	7x13 mm	3 mm	30 m
25851	8x14 mm	3 mm	30 m
25852	9x15 mm	3 mm	30 m
25853	10x16 mm	3 mm	30 m
25854	12x18 mm	3 mm	30 m
25857	8x15 mm	3.5 mm	30 m
25859	10x20 mm	5 mm	30 m
25860	made to order		500 m

HUMIDIFIER

It conforms to all European norms on safety: double insulated tank, safety to avoid tank opening while working

Innovative design

28123

• 28123 PHOBOS HUMIDIFIER
Ideal against dry air produced into overheated rooms. Easy check of water level and automatic shut off when water falls below minimum level. Easy to clean. Steam regulation. It is recommended for a room of 60 m³.

TECHNICAL SPECIFICATIONS
Capacity: 3.5 litres. Autonomy: approx 17 hours
Operating voltage: 230V-50/ Hz
Protection fuse. Made in Italy

HUMI-ROUND

Automatic, non-Stop 360° Rotation of mist outlet

28118

• 28118 HUMI-ROUND - ultrasonic humidifier
Ultrasonic humidifier used in home-care to increase humidity levels in dry environments. It protects against mucous membranes irritation and prevents skin, throat and lips dryness.

TECHNICAL SPECIFICATIONS
Power feeding: AC 220-240V / 50Hz
Rated Power: 35 W
Max mist output: 250 ml/h
Water Tank capacity: 3.4 l
Suitable for room size: min 10, max 20 m²
Max operating hours (non-stop): 10 hours
Size (individual box): cm 27.3x26.5x34.3
Weight (without water): 2.9 kg

VAPINAL INHALER

• 28110 VAPINAL THERMAL WATER INHALER
Warm jet mineral water inhaler ideal **for home spring water inhalation treatment.** It delivers hot humid steam through a nozzle working with the Venturi system and mixing the steam with the principles of thermal water. It is equipped with stainless steel boiler working with an electric resistance at 230V-50 Hz. Supplied with polycarbonate ampulla, in a 4 colour deluxe box. Made in Italy.

• 28112 VAPINAL AMPULLA - spare part

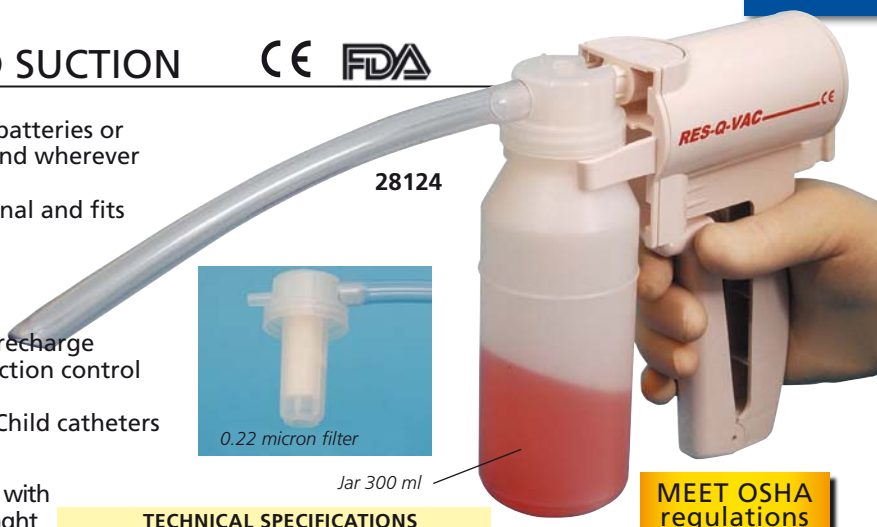
TECHNICAL SPECIFICATIONS
Capacity: 800 ml
Steam boiler in stainless steel
Security valve and thermostat
Operating voltage: 230 V - 50 Hz - 600 Watt
Heating time: 5-8 min
Inhalation time (for 1 l): 12-15 min

RES-Q-VAC FILTERED HAND SUCTION

CE FDA

• 28124 RES-Q-VAC (FILTERED) SUCTION

This lightweight and hand held suction unit requires no batteries or electricity and yet provides powerful suction whenever and wherever you need it.
It offers ultimate safety and ease of use for the professional and fits easily into any emergency bag or ambulance.
Key Features:
- portable Hand Powered Suction - one hand operation
- hospital suction level performance >600mmHg
- always ready to go, no set up required, no batteries to recharge
- patented 0.22 equivalent micron filter for ultimate infection control
- full stop protection filter prevent fluid overflow
- easy snap on replacement canister sets with Adult and Child catheters
- each unit 100% tested for reliability



Kit includes: Res-q-Vac pump, canister 300 ml with filter, soft cannula Ø 12.7 mm x 20.3 cm lenght

• 28128 SPARE ADULT KIT - with filter
Includes canister 300 ml and wide soft adult style yankauer. Disposable.

• 28129 SPARE PEDIATRIC KIT - with filter
Includes canister 300 ml and 2 pediatric catheters with different length: 356 mm for paediatric and 88.9 mm for neonatal applications. Disposable.

TECHNICAL SPECIFICATIONS

Weight: 143 g
Size: 114x180x55 mm
Max vacuum: > 600 mmHg
Min. vacuum after 2 activations: > 400 mmHg
Volume per stroke: 30 ml
Capacity before full: 290 ml
Inner Ø of adult catheter: 9.53 mm
Length of adult catheter: 272 mm
Pump is suitable for cold or ETO sterilization

MEET OSHA regulations

HAND/FOOT/KNEE SUCTION PUMP

• 28220 TOBI MANUALE - manual suction aspirator

Independent of any power source, Tobi Manuale is simple to operate pressing pedal by foot, hand or knee. It is used to clear patient's airways safely and efficiently, anytime, anywhere. Precision and solidly built to assure long service life. Polycarbonate suction bottle with capacity 400 cc, autoclavable at 120°C and spill-over protection. Bacterial filter included.

• 28219 BOTTLE 0.4 l - spare
• 28229 HYDROPHOBIC ANTIBACTERIAL FILTER - spare

CE 0476 28220

TECHNICAL SPECIFICATIONS

Weight: 1.2 kg
Size: 225x165x85 mm
Max suction -0.40 bar
Suction power: 22 l/min
Bottle capacity: 400 cc
Made in Italy

HAND SUCTION PUMP

• 28180 HAND SUCTION UNIT

Designed to provide quick and effective pharyngeal and tracheal suction for emergency use.
The adjustable stroke knob provides different suction pressure.
Supplied with 250 ml bottle and 2 sterile adult cannulas 26 and 40 cm

• 28181 SPARE ADULT KIT
Includes 250 ml bottle and 2 sterile adult cannulas 26 and 40 cm.

TECHNICAL SPECIFICATIONS

Max vacuum: -450 mmHg
Peak free airflow: >20 l/min
Weight: 260 g
Size: 185x70x168 mm
External diameter of catheter connection: 13.35 and 8.67 mm

BREAST PUMP - MAMILAT GIMA

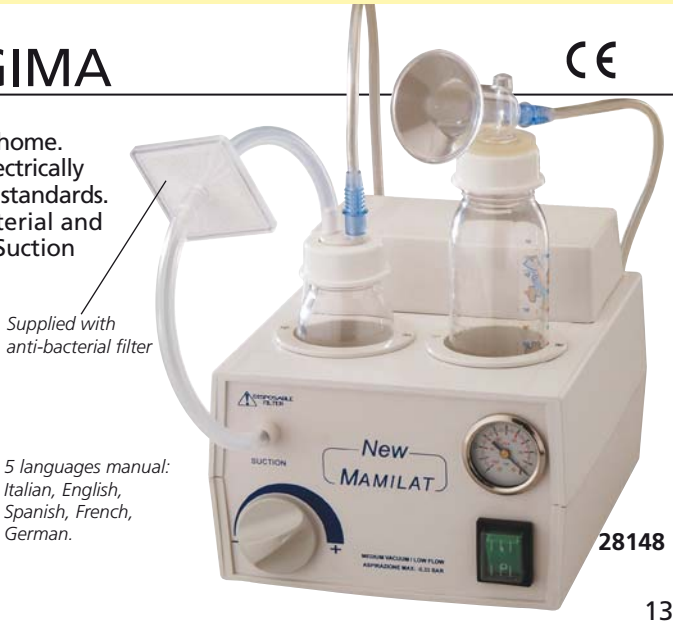
CE

• 28148 MAMILAT - BREAST PUMP - 230V-50Hz

Easily transportable from one maternity ward to another, or for use at home.
To be used for mother's milk suction. Made of highly heat-resistant, electrically insulated plastic material in conformity with the latest European safety standards.
Supplied with 2 polycarbonate milk bottles (150 cc and 250 cc) antibacterial and hydrofobic filter, set of tubes 6x10 mm, breast shield, PVC air tube. Suction adjustment knob. Working time: 20 minutes ON, 40 minutes OFF.

• 28149 SPARE KIT
Includes two plastic bottles (125 cc and 250 cc) nipple shield, filter and tubes.

• 28229 HYDROPHOBIC ANTIBACTERIAL FILTER - spare



TECHNICAL SPECIFICATIONS

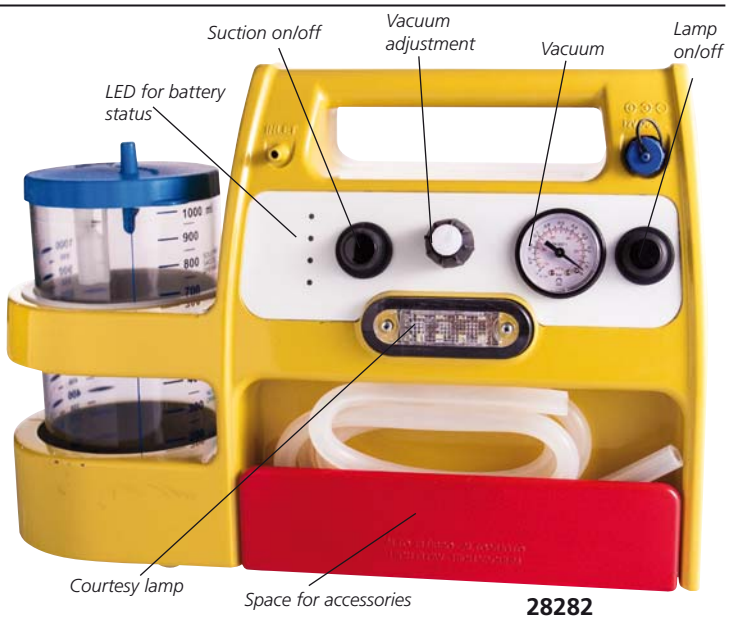
Regulator for suction intensity - max suction -0.33 bar
Operating voltage: 220-230 V - 50/60 Hz - available on request 110 V - 60 Hz
Max flow (air litres/min): 14 l/min
Power consumption: 184 VA
Size: 235x190x165 mm Weight: 2.2 kg
Norms: CEI 62-5 (IEC601-1). Made in Italy

MINIASPEED BATTERY EVO PROFESSIONAL SUCTION ASPIRATORS

- **28282 MINIASPEED EVO BATTERY SUCTION - 1 l**
- **28283 MINIASPEED EVO BATTERY SUCTION - 1 l for ambulance**
- **28284 MINIASPEED EVO BATTERY SUCTION - 2 l**

Professional portable high flow - high vacuum aspirators with incorporated rechargeable batteries.
It can operate at 12 V power supply with rechargeable batteries or directly by mains supply, continuously at 110-230 V while recharging batteries.
Up to 45 minutes of autonomy with fully charged battery.
Made in Italy.

- **25850 SILICONE TUBE 6x12 mm - minimum 30 m**
- **28254 ADAPTER FOR CATHETER**
- **28255 HYDROPHOBIC 99% BACTERIAL FILTER**
- **28258 AUTOCLAVABLE JAR 1000 ml (with cover)**
- **28259 DISPOSABLE SUCTION LINER**
- **28294 AUTOCLAVABLE JAR 2,000 ml (with cover)**



TECHNICAL SPECIFICATIONS

Operating voltage:	with battery DC 12 V with power supply 100÷240 V ~ 50/60 Hz - 14 VDC 4,28A
Power consumption:	max 50 W
Size:	134x378xh 263 mm
Weight:	4.7 kg (5 kg version for ambulance)
Bottle capacity:	1,000 or 2,000 ml
Flow:	30 air litres/min
Sound level:	65 dBA at 1 m
Operating cycles:	continuous (45 minutes battery autonomy)
MAX vacuum:	0 ± 85 kPa
Internal battery:	12 VDC 4A h lead hermetic
Battery autonomy:	about 45 minutes, recharging time approx 6 hours
Norms:	MDD 93/42/EEC (Class IIa - annex IX) EN60601-1(IEC 60601-1) / EN60601-1-2 (IEC 60601-1-2) UNI EN ISO 10079-1/ UNI CEI EN ISO 14971 Degree of protections against ingress of liquids: IP34d (IEC 529) Class II- Type B

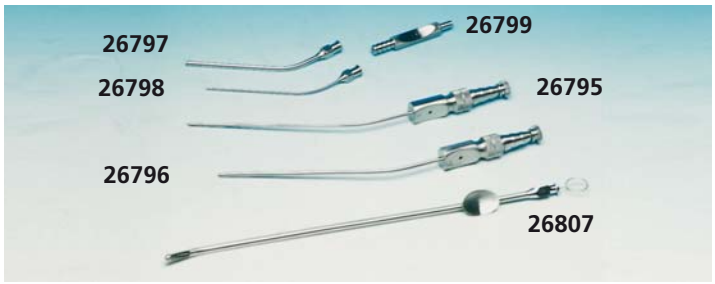
STANDARD ACCESSORIES

Autoclavable 1 or 2 l jar with safety valve
Sterile disposable cannula CH14
Sterile disposable manual regulator
Disposable silicone liner 1 l
2 bacterial hydrophobic filter
Silicone tubing set Ø 6x12 mm
Cigarette lighter power card
Multivoltage battery charger
Power supply cord - 2 m
Shoulder carrying bag (28283 only)
Courtesy lamp
Support bracket for ambulance (28283 only)
User manual GB, IT, FR, DE, ES

ACCESSORIES FOR ANY SUCTION ASPIRATOR

GIMA code	SILICONE VACUUM SUCTION - AUTOCLAVABLE
29980	Silicone vacuum suction Ø 60x210 mm
29981	Silicone vacuum suction Ø 70x210 mm

GIMA code	SUCTION CATHETER-STERILE
28247	Suction catheter CH 14 Ø 4.66 mm x 48 cm - green
28248	Suction catheter CH 16 Ø 5.33 mm x 48 cm - orange
28249	Suction catheter CH 18 Ø 6.0 mm x 48 cm - red
28250	Suction catheter CH 20 Ø 6.6 mm x 48 cm - yellow



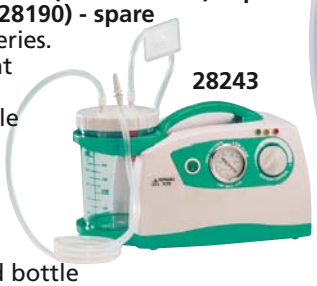
GIMA code	STAINLESS STEEL CANNULA
26795	Stainless steel Frazier suction cannula Ø 2 mm
26796	Stainless steel Frazier suction cannula Ø 3 mm
26793	Stainless steel Frazier suction cannula Ø 4 mm
26794	Stainless steel Frazier suction cannula Ø 5 mm
26797	Stainless steel Rosen suction cannula Ø 1.5 mm with adaptor with Luer tip and thumb valve
26798	Stainless steel Rosen suction cannula Ø 3 mm with adaptor with Luer tip and thumb valve
26807	Stainless steel Novak suction cannula for Gyn

GIMA code	STAINLESS STEEL ASPIRATION TUBE
28262	S/S Bierer Aspiration tube Ø 8 mm
28264	S/S Bierer Aspiration tube Ø 12 mm Supplied with removable connection cannula
28260	Set of 7 uterine aspiration cannulas for abortion: each set is composed of 4 cannulas with side suction end (Ø 5, 6, 8, 9 mm), 3 cannulas with front suction end (Ø 7,10,11 mm) and one handle

BATTERY SUCTION ASPIRATORS

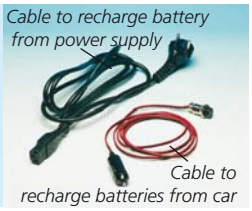
- **28243 SUPER VEGA BATTERY - plastic case - 16 l/min.**
- **28190 SUPER VEGA BATTERY - plastic case - 36 l/min.**
- **28213 TROLLEY FOR SUPER VEGA**
- **28242 BATTERY FOR SUPER VEGA/TOBI (28243/28240) - spare**
- **28251 BATTERY FOR SUPER VEGA (28190) - spare**

With incorporated rechargeable batteries.
It can operate at 12 V power supply at rechargeable batteries and, thanks to an electronic system, at 230 V while recharging batteries.
Autonomy: approx 45-50 minutes.
Recharging time: 120-150 minutes.
Max suction: -75 bar.
Suction power: 16 or 36 air litres/min
It has unbreakable 1,000 ml standard bottle (2,000 ml optional) autoclavable at 120°C with safety float control valve to prevent overflow.


28243

TECHNICAL SPECIFICATIONS SUPER VEGA
Operating Voltage: 220-230 V - 50/60 Hz AC - 12 V DC (28243) 100-240 V - 50/60 Hz (28190)
Size: 350x210x180 mm Weight: 4.9 kg
Max suction -0.75 bar (563 mm/Hg)
Suction power: 16 air litres/min (28243), 36 air litres/min (28190)
Norms: IEC 601-1 - Class II Type B. Made in Italy

STANDARD ACCESSORIES
Bottle 1 l - autoclavable at 120°C
Silicone tubing set
Suction catheter
Anti-bacterial filter
Cable to recharge batteries from power supply
Cable to recharge batteries from car
User manual (GB, IT, FR, DE, ES)



- **28241 MINI ASPEED BATTERY - metal case - 18 l/min**
- **28206 MINI ASPEED BATTERY PRO - metal case - 30 l/min**

Portable medical device for professional surgical aspiration.
- it can operate at 12 V (car.) power supply, rechargeable batteries or directly by mains supply
- its two cylinders electro-compressor ensures high performances and long life
- up to 45 min. of autonomy with fully charged battery
- with 99% antibacterial hydrophobic filter
- equipped with autoclavable jar with safety valve, disposable suction liner and carryng case.

- **25850 SILICONE TUBE 6x12 mm - minimum 30 m**
- **28254 ADAPTOR FOR CATHETER**
- **28255 HYDROPHOBIC 99% BACTERIAL FILTER**
- **28258 AUTOCLAVABLE JAR 1000 ml (with cover)**
- **28259 DISPOSABLE SUCTION LINER**

Disposable suction liner inside autoclavable jar

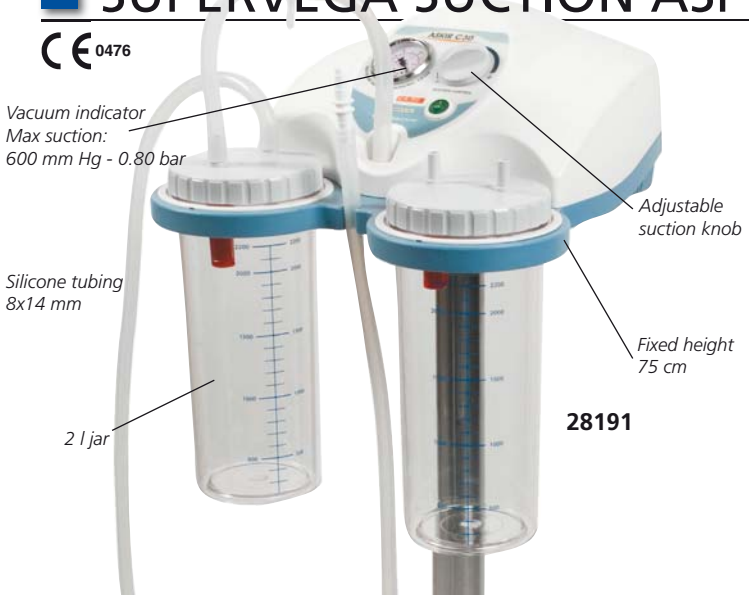
TECHNICAL SPECIFICATIONS MINI ASPEED
Operating Voltage: 100-240 V 50/60 Hz AC - 14 V DC 4.28 A
Size: 370x100x240 mm Weight: 5.8 kg (include kit)
Max suction - 0.80 bar (650 mm/Hg) (28241) - 0.85 bar (28206)
Suction power: 30 air litres/min. (28206) 18 air l/min. (28241)
Sound level: 65 db
Norms: MDD 93/42/ECC (class IIa - annex IX)
IEC 60601-1, UNI ENISO 10079-1 Made in Italy

STANDARD ACCESSORIES

Autoclavable jar 1000 cc with safety valve	Anti-bacterial hydrophobic filter
Silicone tubing set Ø 6x12 mm	Multivoltage battery charger
Disposable suction liner	Cigarette lighter power cord.
Sterile cannula	Shoulder carrying bag
	User manual (English and Italian)

SUPERVEGA SUCTION ASPIRATOR ON TROLLEY

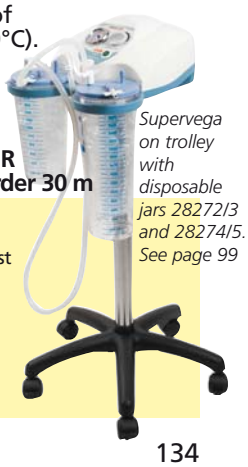
CE 0476



- **28191 SUPER VEGA on trolley - suction 2x2 l jar**
- **28192 SUPER VEGA on trolley - suction 2x2 l jar with footswitch**

Continuously adjustable vacuum, with indicator.
Silicone connection tube. 2 jars 2 litres, made of sterilizable polycarbonate (autoclavable at 120°C).
Working time: 120 min ON, 60 min. OFF.
Suction power: 40 air litres/min.
Steel painted frame, fitted with 5 star base.
Norms CEI 62-5 (IEC 601-1) - Class II - Type B

- **28239 HYDROPHOBIC 99% BACTERIAL FILTER**
- **25851 SILICONE TUBE - 8x14 mm - minimum order 30 m**

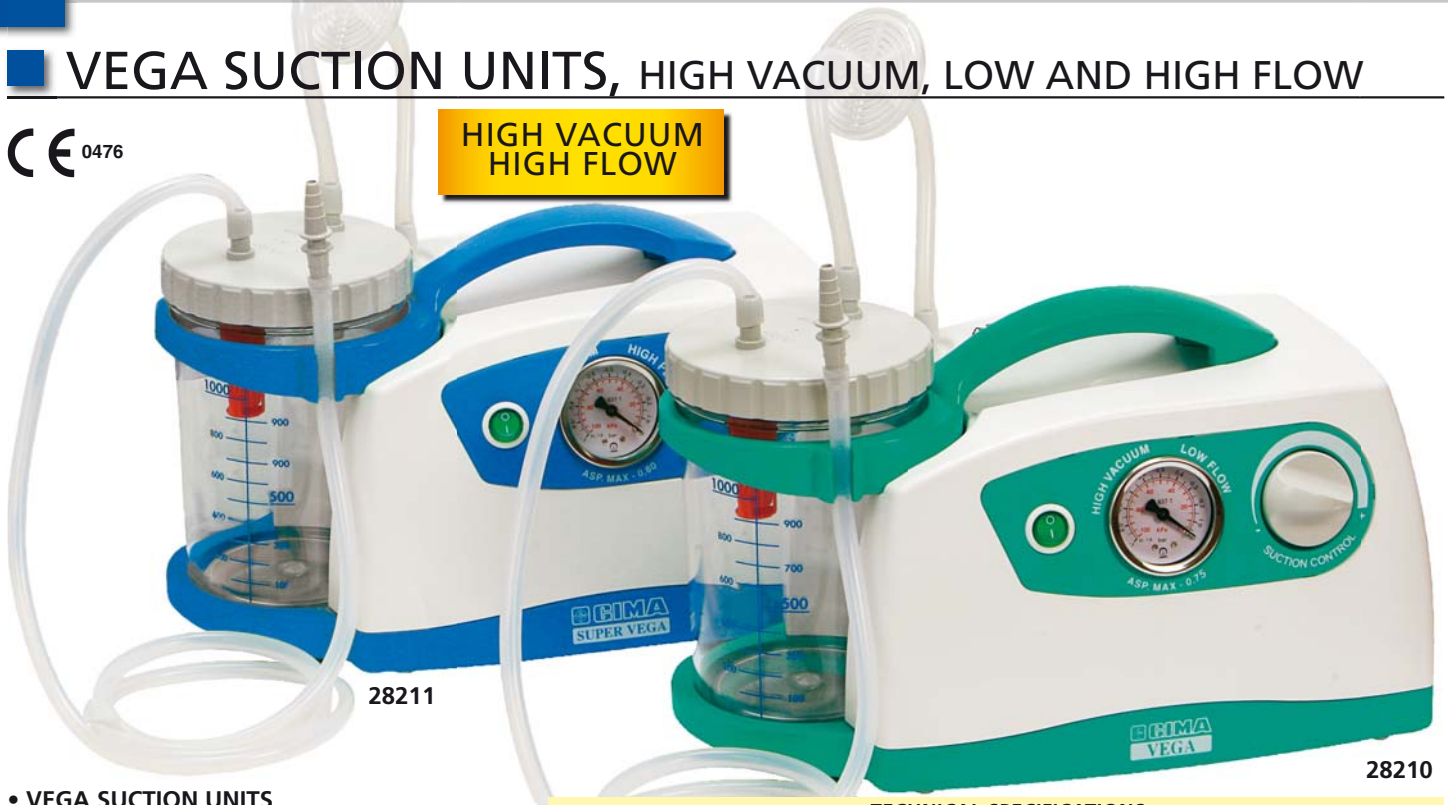

Supervega on trolley with disposable jars 28272/3 and 28274/5. *See page 99*

TECHNICAL SPECIFICATIONS
Size: 32x30x90 h cm Weight 6.2 kg
Operating voltage: 220-230 V - 50/60 Hz; other on request
Power consumption: 110 VA
Maximum suction: -0.80 bar (600 mm Hg)
Flow: 40 air litres/minute
Temporary use: 120 on - 60 off
Norms CEI 62-5 (IEC 601-1) - CE 93/42 EEC
User manual (English, French, German, Italian, Spanish)
Made in Italy

VEGA SUCTION UNITS, HIGH VACUUM, LOW AND HIGH FLOW

CE 0476

HIGH VACUUM
HIGH FLOW



28211

28210

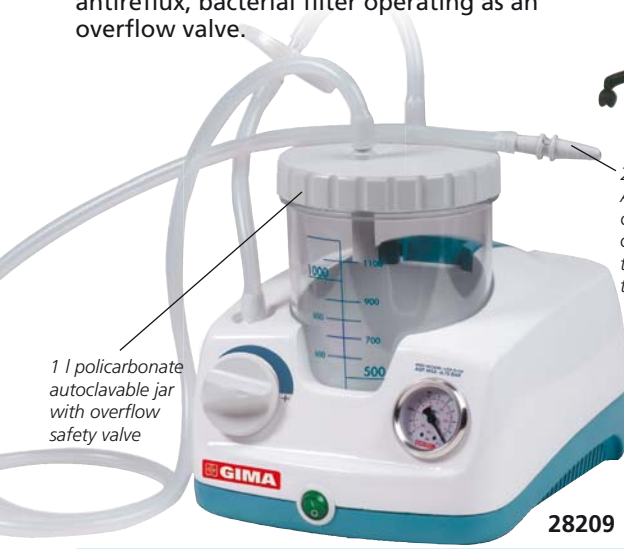
• VEGA SUCTION UNITS
A line of stylish, compact and reliable aspirators for small surgery. Silent, high flow and maintenance - free pumps allow long product life and durability.
Recommended for nasal aspiration, oral aspiration, tracheal aspiration of body liquids (mucus, catarrh or blood) in adults or children.
Equipped with vacuum regulator continuously adjustable, vacuum indicator, unbreakable 1,000 ml or 2,000 ml bottle, autoclavable at 120°C, with safety float control valve to prevent overflow.
Manufactured in electric and thermal insulated plastic body.
Autoclavable and disposable collection system: In addition to standard autoclavable jar is available a disposable collection system composed by a rigid reusable container and a polyethylene disposable liner with cover, hermetically sealed, and hydrophobic, antireflux, bacterial filter operating as an overflow valve.

TECHNICAL SPECIFICATIONS

	28209 VEGA UNO	28210 VEGA	28211 SUPERVEGA
Operating Voltage:	220-230 V - 50/60 Hz 110 V - 60 Hz (on request)	220-230 V - 50/60 Hz 110 V - 60 Hz (on request)	220-230 V - 50/60 Hz or 110 V - 60 Hz
Power consumption:	184 W	184 W	106 W
Bottle capacity:	1,000 ml	1,000 ml	1,000 ml or 2,000 ml
Flow (air litres/min):	15 l/min	16 l/min	40 l/min
Max suction:	-0.75 bar (563 mm/Hg)	-0.75 bar (563mm/Hg)	-0.80 bar (600mm/Hg)
Temporary use:	20/40 min on/off	30/30 min on/off	120/60 min on/off
Size:	25x19x16.5 cm	35x21x18 cm	35x21x18 cm
Weight:	2.2 kg	2.5 kg	3.6 kg
Norms:	93/42/ECC	93/42/ECC	93/42/ECC
Origin:	Italy	Italy	Italy

28211 + 28213

GIMA code	VEGA SUCTION ASPIRATOR	Operating power	Flow
28209	Vega Uno	220-230 V - 50/60 Hz	15 l/m
28210	Vega	220-230 V - 50/60 Hz	16 l/m
28211	Super Vega 1l	220-230 V - 50/60 Hz	40 l/m
28212	Super Vega 2l	220-230 V - 50/60 Hz	40 l/m
28189	Super Vega 1l	110 V - 60 Hz	40 l/m



28252 Adaptor to connect catheter to silicone tube

1 l policarbonate autoclavable jar with overflow safety valve

28209

GIMA code	SPARE ACCESSORIES FOR VEGA AND TOBI LINE
28229	Hydrophobic, 99% antibacterial filter
28226	Autoclavable jar 1 l with cover and overflow valve system
28236	Autoclavable jar 2 l with cover and overflow valve system
28227	Cover and overflow valve system for 28226 and 28236
28271	Disposable liner 1 l (cover+bag)
28270	Container for disposable liner 1 l
28273	Disposable liner 2 l (cover + bag)
28272	Container for disposable liner Ø 13 cm top, 9.5 cm bottom
25845	Silicone tube 6x10 mm - minimum order 30 m
28252	Adaptor to connect catheter to silicone tube
	Suction catheter - see at page 133
28213	Trolley for Vega and Super Vega (not for Vega Uno)
28276	Vacuum indicator for Vega and Super Vega (not for Vega Uno)

STANDARD ACCESSORIES
Autoclavable jar (1 or 2 l) with overflow valve system
Antibacterial and hydrophobic filter
Set of silicone tubes 6x10 mm
Conical connector for probes
5 languages user manual (GB, FR, IT, DE, ES)

28229

PROFESSIONAL ASPIRATORS - HIGH VACUUM

28280-1

CE 0434
EN ISO 10079-1
Class I
Type B

28244-6

ASPEED PROFESSIONAL SURGICAL ASPIRATORS
Piston-type continuous cycle electric aspirators give high performance and great durability. Equipped with a protective thermal cut-out relay. They require no maintenance or lubrication. A motor-protector cap totally prevents aspirated liquids or secretions from reaching and damaging the vacuum pump. Ideal for clinical use.
Made in Italy.

GIMA code	ASPEED ASPIRATORS	Power	Pump	Case
28244	Aspeed 15 l	230 V	single	metal
28245	Aspeed 22 l	230 V	double	metal
28246	Aspeed 22 l	110 V	double	metal
28280	Aspeed 2 15 l	230 V	single	plastic
28281	Aspeed 2 22 l	230 V	double	plastic

GIMA code	ACCESSORIES AND SPARES FOR ASPEED
28255	Hydrophobic 99% bacterial filter
28258	Autoclavable jar 1l with cover - since 2007
28259	Disposable suction liner
25850	Silicone tube 6x12 mm - min. order 30 m
28254	Adaptor to connect catheter to silicone tube
28261	Adaptor kit to use jar 1l (28258) with ASPEED manufactured before 2007

STANDARD ACCESSORIES
Autoclavable policarbonate jar 1,000 cc with safety valve (overflow protection)
Disposable suction liner 1 l
99% Antibacterial hydrophobic filter
Sterile disposable cannula
Sterile manual flow regulator
Set of atoxic sterilizable silicone tubes
Power Cable
User Manual UK, FR, IT, DE, ES

TECHNICAL SPECIFICATIONS

	ASPEED		ASPEED 2	
	28244	28245/6*	28280	28281
Operating voltage:	230 V-50 Hz		230 V - 50/60 Hz	
		*110-60 Hz	other voltage on request	
Bottle capacity:	1 l	1 l	1 l	1 l
High vacuum:	low flow	low flow	low flow	high flow
Air flow:	15 l/min	22 l/min	15 l/min	22 l/min
Adjustable vacuum level:	0÷ -0.85 bar (0÷ -85 kPa)			
Weight:	3.5 kg	4.5 kg	2.5 kg	3.2 kg
Case material:	metal		plastic	
Noise level:	55 dBA	65 dBA	55 dBA	55 dBA

28258 *Autoclavable Jar, h 19.2 cm Ø 10 cm top, 9.7 cm base*

28259 *Disposable suction liner*

SUCTION ASPIRATORS HIGH VACUUM, LOW AND HIGH FLOW

• 28222 TOBI - suction aspirator 220-230 V - 50/60 Hz
• 28224 SUPER TOBI - suction aspirator 220-230 V - 50/60 Hz

Portable suction aspirators, ideal for tracheotomy and small surgery.
Vacuum continuously adjustable with vacuum indicator. Have unbreakable 1,000 ml standard bottle (2,000 ml optional) autoclavable at 120°C with safety float control valve to prevent overflow.
Silicone connection tube.
ABS plastic case.
Made in Italy

STANDARD ACCESSORIES

	Tobi	Super Tobi
Bottle 1,000 ml with cover	1	1
Antibacterial Filter	1	1
Suction catheter	1	1
Silicon Tube set	1	1
User manual UK, FR, IT, DE, ES	1	1

TECHNICAL SPECIFICATIONS

	28222 Tobi	28224Super Tobi
Operating voltage:	220-230 V - 50/60 Hz	220-230 V - 50/60 Hz
Power consumption:	184 W	106 W
Bottle capacity:	1,000 ml	1,000 ml
Flow (air litres/min):	18 l/min	40 l/min
Max suction:	-0.75 bar (563mm/Hg)	-0.80 bar (600mm/Hg)
Working time: minutes	20 ON / 40 OFF	120 ON / 60 OFF
Size (cm):	37x22xh 21 cm	37x22xh 21 cm
Weight:	3.5 kg	5.25 kg
Norms:	IEC 601-1	IEC 601-1

HIGH VACUUM, HIGH FLOW HOSPITAL SUCTION ASPIRATOR

Standard Clinic Plus and Hospi Plus

Clinic Plus and Hospi Plus with foot switch and flow direction regulator

Size: 460x850x420 mm
Weight: 20 kg

New innovative range of high vacuum, high flow aspirator ideal for hospitals. Pump piston type, lubrication and maintenance free. Supplied with hydrophobic 99% bacterial filter, vacuum gauge for control of vacuum and 2 autoclavable jars (2 or 4 litres) made in makrolon with 200/400 ml graduation and double security valve. Available on request 2 or 3 litre disposable liners. Range includes version with foot switch and flow direction regulator, 110 and 230 V.

TECHNICAL SPECIFICATIONS

	Hospi plus	Clinic plus
Operating voltage:	110 V or 230 V - 50/60 Hz	230 V - 50/60 Hz - 110 V on request
Maximum suction:	- 0.90 bar (675 mm/Hg)	- 0,90 bar (675 mm/Hg)
Flow:	90 l/min	60 l/min
Power:	300 VA	230 VA
Norms:	CEI 62-5 (IEC 601-1) 93/42 EEC. Made in Italy	CEI 62-5 (IEC 601-1) 93/42 EEC. Made in Italy

Four antistatic castors, two of which with brake, allow a perfect mobility. User manual in English, French, German, Italian, Spanish. See spare accessories at page 134,139. Made in Italy.

GIMA code	CLINIC PLUS / HOSPI PLUS	Jar	Power	Foot switch	Flow direction regulator
28194	CLINIC PLUS aspirator	2x2 l	220-230 V	-	-
28196	CLINIC PLUS aspirator	2x4 l	220-230 V	-	-
28198	CLINIC PLUS aspirator	2x4 l	220-230 V	yes	yes
28200	HOSPI PLUS aspirator	2x2 l	220-230 V	-	-
28199	HOSPI PLUS aspirator	2x2 l	110 V	-	-
28201	HOSPI PLUS aspirator	2x4 l	220-230 V	-	-
28203	HOSPI PLUS aspirator	2x2 l	220-230 V	yes	yes
28204	HOSPI PLUS aspirator	2x4 l	220-230 V	yes	yes

MAXI ASPEED HIGH FLOW ASPIRATOR FOR HOSPITAL USE

TECHNICAL SPECIFICATIONS

Operating voltage:	230 V - 50/60 Hz. Available on request 110-60 Hz
Air flow:	60 or 90 l/min
Operating cycle:	continuous
Adjustable vacuum level:	0-0.90 bar (0-90 kPa)
Size:	470x580x560 mm
Weight:	15 kg (60 l), 17 kg (90 l)
MDD class:	IIa

MAXI ASPEED SURGICAL ASPIRATORS
Surgical aspirators for aspiration of body liquids in operating theatres and hospitals.

Easy to carry
Equipped with 4 antistatic wheels (2 with brake) and carrying telescopic handle.

Developed to run continuously
Made in highly heat resistant, electrically insulated plastic material in conformity with latest European safety standards. Vacuum regulator with BAR/PSI vacuometer and automatic flow direction regulator to easily switch from a jar to the other.
Supplied with 2 autoclavable polycarbonate jars with safety valve (overflow protection), set of atoxic sterilizable silicone tubes, 99% antibacterial hydrophobic filters (2) and multilanguage manual (GB, FR, IT, DE, ES). Made in Italy.

GIMA code	MAXI ASPEED	Jar	Power	Foot switch	Flow direction regulator
28285	Maxi Aspeed 60 l	2x2 l	230 V	-	yes
28286	Maxi Aspeed 60 l	2x2 l	230 V	yes	yes
28289	Maxi Aspeed 90 l	2x2 l	230 V	-	yes
28291	Maxi Aspeed 90 l	2x4 l	230 V	-	yes
28292	Maxi Aspeed 90 l	2x4 l	230 V	yes	yes
	ACCESSORIES				
28294	Autoclavable jar 2 l with safety valve				
28295	Autoclavable jar 4 l with safety valve				
28297	Hydrophobic 99% antibacterial filter				
25851	Silicone tube antibacterial - 8x14 mm - minimum 30m				

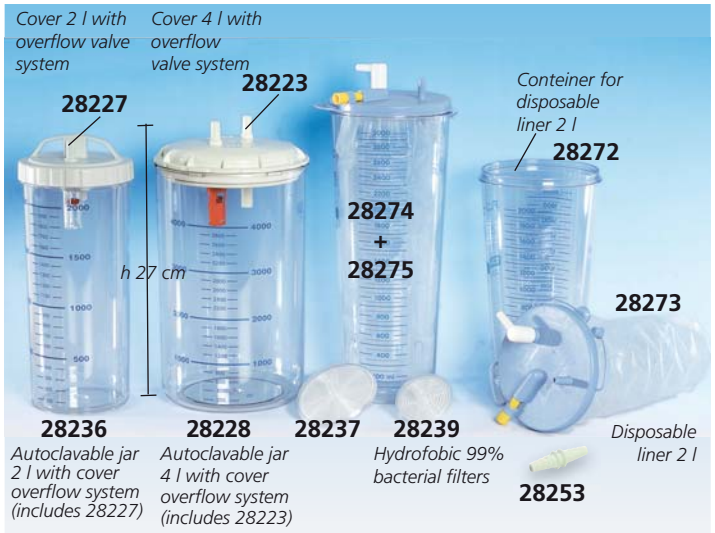
HIGH VACUUM, HIGH FLOW HOSPITAL SUCTION ASPIRATOR

Ideal for hospital, these suction aspirators are manufactured in ABS. Four antistatic castors, two of which with brakes, to allow perfect mobility. Vacuum gauge for the control of vacuum (1 bar). 2 or 4 litre jar made of autoclavable makrolon, with 200/400 ml graduation. Each jar with double security valve. Pump piston type, lubrication and maintenance free.
With anti bacterial filter. Available model with footswitch and other operating voltage (110 V).
User manual in GB, FR, IT, ES, DE. Made in Italy.

GIMA code	TOBI CLINIC / HOSPITAL	Jar	Power	Foot switch
28231	TOBI CLINIC - suction aspirator	2x2l	220-230 V	-
28214	TOBI CLINIC - suction aspirator	2x2l	220-230 V	yes
28215	TOBI CLINIC - suction aspirator	2x4l	220-230 V	-
28216	TOBI CLINIC - suction aspirator	2x4l	220-230 V	yes
28232	TOBI HOSPITAL - suction aspirator	2x2l	220-230 V	-
28202	TOBI HOSPITAL - suction aspirator	2x2l	220-230 V	yes
28233	TOBI HOSPITAL - suction aspirator	2x4l	220-230 V	-
28234	TOBI HOSPITAL - suction aspirator	2x4l	220-230 V	yes
28235	TOBI HOSPITAL - suction aspirator	2x2l	110 V	-

TECHNICAL SPECIFICATIONS

	Hospital (28202-28232/3/4/5)	Clinic (28214/5/6, 28231)
Size:	55x45xh 65 cm	46x42xh 60 cm
Weight:	20 kg	13 kg
Operating voltage:	110 V or 230 V - 50/60 Hz	110 V or 230 V - 50/60 Hz
Maximum suction:	- 0.90 bar (675 mm/Hg)	- 0.90 bar (675 mm/Hg)
Flow:	90 l/min	60 l/min
Norms:	CEI 62-5 (IEC 601-1) 93/42 EEC.	CEI 62-5 (IEC 601-1) 93/42 EEC.



GIMA code	ACCESSORIES FOR CLINIC/HOSPITAL, CLINIC PLUS, HOSPI PLUS	To be used with
28237	Hydrophobic, 99% bacterial filter	Hospital/ Hospi plus
28239	Hydrophobic, 99% bacterial filter	Clinic/Supervega Trolley
28236	Autoclavable bottle 2l with cover overflow system	All 2 l aspirators
28227	Cover 2l with overflow valve system	28236
28228	Autoclavable* bottle 4l with cover overflow system	All 4 l aspirators
28223	Cover 4l with overflow valve system	28228
28272	Container for disposable liner 2l	All 2 l aspirators
28273	Disposable liner 2l cover+bag	28272
28274	Container for disposable liner 3l	Clinic/Hospital/ Hospital plus 2 l
28275	Disposable liner 3 l cover+bag	28274
25851	Silicone tube 8x14	Clinic/Hospital
28253	Adapter to connect catheter to silicone tube	25851
	Suction catheter see at page 134	25853
28276	Vacuum indicator Ø 50 mm	Clinic
28277	Vacuum indicator Ø 60 mm	Clinic plus/Hospi Plus Hospital
28265	Bottom base	Clinic plus/Hospi Plus
28266	Bottom base	Clinic
28267	Bottom base	Hospital

*Bottles are autoclavable at 120°C